

72. A single crystal GaN substrate grown on a gallium arsenide substrate followed by etching of the gallium arsenide to yield the GaN single crystal substrate free of defects caused by thermal coefficient of expansion differences.

73. The GaN single crystal substrate of claim 72, wherein the GaN single crystal substrate is of three dimensional (x,y,z) character wherein each of the dimensions x, y is at least 100 micrometers and the dimension z is at least 1 micrometer.

74. The GaN single crystal substrate of claim 72, having a thickness of from 1 to 1,000 micrometers.

75. A device structure including a device fabricated on a GaN single crystal substrate as in claim 72.


76. The device structure of claim 75, wherein the device is selected from the group consisting of LEDs, lasers, detectors, and transistors, and device precursor structures thereof.

REMARKS

The claims added and now pending in this continuation application are claims 39-76 set out above.

Concurrently submitted herewith is a petition for three months extension of time in parent Application No. 08/955,168.

Respectfully submitted,

  
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**INTELLECTUAL PROPERTY/  
TECHNOLOGY LAW**  
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Species	Sex	Age	Weight (g)	Length (mm)	Wing (mm)	Tail (mm)	Culmen (mm)	Tarsus (mm)	Middle toe (mm)	Claw (mm)
Red-tailed Tropicbird	Male	Adult	100	110	65	45	15	15	10	5
Red-tailed Tropicbird	Female	Adult	90	105	60	40	14	14	9	4
Red-tailed Tropicbird	Male	Immature	80	100	55	35	13	13	8	3
Red-tailed Tropicbird	Female	Immature	70	95	50	30	12	12	7	2
Red-tailed Tropicbird	Male	Adult	110	115	70	50	16	16	11	6
Red-tailed Tropicbird	Female	Adult	105	110	65	45	15	15	10	5
Red-tailed Tropicbird	Male	Adult	120	120	75	55	17	17	12	7
Red-tailed Tropicbird	Female	Adult	115	115	70	50	16	16	11	6
Red-tailed Tropicbird	Male	Adult	130	125	80	60	18	18	13	8
Red-tailed Tropicbird	Female	Adult	125	120	75	55	17	17	12	7
Red-tailed Tropicbird	Male	Adult	140	130	85	65	19	19	14	9
Red-tailed Tropicbird	Female	Adult	135	125	80	60	18	18	13	8
Red-tailed Tropicbird	Male	Adult	150	135	90	70	20	20	15	10
Red-tailed Tropicbird	Female	Adult	145	130	85	65	19	19	14	9
Red-tailed Tropicbird	Male	Adult	160	140	95	75	21	21	16	11
Red-tailed Tropicbird	Female	Adult	155	135	90	70	20	20	15	10
Red-tailed Tropicbird	Male	Adult	170	145	100	80	22	22	17	12
Red-tailed Tropicbird	Female	Adult	165	140	95	75	21	21	16	11
Red-tailed Tropicbird	Male	Adult	180	150	105	85	23	23	18	13
Red-tailed Tropicbird	Female	Adult	175	145	100	80	22	22	17	12
Red-tailed Tropicbird	Male	Adult	190	155	110	90	24	24	19	14
Red-tailed Tropicbird	Female	Adult	185	150	105	85	23	23	18	13
Red-tailed Tropicbird	Male	Adult	200	160	115	95	25	25	20	15
Red-tailed Tropicbird	Female	Adult	195	155	110	90	24	24	19	14
Red-tailed Tropicbird	Male	Adult	210	165	120	100	26	26	21	16
Red-tailed Tropicbird	Female	Adult	205	160	115	95	25	25	20	15
Red-tailed Tropicbird	Male	Adult	220	170	125	105	27	27	22	17
Red-tailed Tropicbird	Female	Adult	215	165	120	100	26	26	21	16
Red-tailed Tropicbird	Male	Adult	230	175	130	110	28	28	23	18
Red-tailed Tropicbird	Female	Adult	225	170	125	105	27	27	22	17
Red-tailed Tropicbird	Male	Adult	240	180	135	115	29	29	24	19
Red-tailed Tropicbird	Female	Adult	235	175	130	110	28	28	23	18
Red-tailed Tropicbird	Male	Adult	250	185	140	120	30	30	25	20
Red-tailed Tropicbird	Female	Adult	245	180	135	115	29	29	24	19
Red-tailed Tropicbird	Male	Adult	260	190	145	125	31	31	26	21
Red-tailed Tropicbird	Female	Adult	255	185	140	120	30	30	25	20
Red-tailed Tropicbird	Male	Adult	270	195	150	130	32	32	27	22
Red-tailed Tropicbird	Female	Adult	265	190	145	125	31	31	26	21
Red-tailed Tropicbird	Male	Adult	280	200	155	135	33	33	28	23
Red-tailed Tropicbird	Female	Adult	275	195	150	130	32	32	27	22